

SPECIFICATION SHEET

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MAGNIFY[®] LST
Live Microbial Soybean Seed Inoculant

DESCRIPTION

Magnify LST is a high potency (one million bacteria per seed at full strength) soybean inoculant which provides the bacteria *Bradyrhizobium japonicum* at levels capable of increasing grain yields on new and repeat soybean land. These bacteria provide nitrogen for plant growth by a process called nitrogen fixation. The relationship between bacteria and plant is termed 'symbiotic.' In this particular symbiosis, the bacteria form nodules on the soybean root where the fixation occurs and the bacteria derive nutrition from the plant. The end result of this relationship is an increase in soybean yield without the addition of synthetic nitrogen compounds.

PERFORMANCE CHARACTERISTICS

- Effective – Consistent positive yield responses in trials and production
- Competitive – Equals or exceeds response of any product on the market
- Flexible – Plant the inoculated seed up to 28 days after treatment
- Economical – Eliminates the need to supply early season synthetic nitrogen
- Compatible – Use in combination with certain fungicide seed treatments (see chemical compatibility insert)

PRODUCT CHARACTERISTICS

- High potency – Provides a minimum of one million bacteria per seed at full strength
- Safe and easy to use – Simply mix inoculant and extension solution and apply. Inoculant and extension solution have the same density for faster and complete mixing.
- Convenient to store – No refrigeration required
- Long shelf life – Up to two growing seasons
- Consistent – Scientifically proven to consistently increase yields

DIRECTIONS FOR USE

Magnify LST is designed as an easy mixing and applying liquid seed treatment to be applied by the grower or custom applied by a seed dealer of retail location. Uniformly apply 2.5 ounces of combined solution per 100 cwt. Or 1.17 fl. Oz. per 140,000 seeds. To ensure uniform distribution of the inoculant on every seed, Conklin recommends using a rotating drum (cement mixer) for treatment of individual bags of seed or using liquid seed treatment applicator systems for application to bulk handled seeds. Seeds can be planted up to 28 days after treatment. Please consult the Magnify LST compatibility chart for a complete compatibility list. For best results, plant seeds as soon as possible after treatment.

SPECIFICATIONS

Part number

057810

Four – 50.7 fl. oz. bladders of inoculant + 11.8 fl. oz. bladders of extension solution

Appearance

Cream-colored liquid

Odor

None

Guaranteed microbial activity

Not less than 5 x 10⁹ active *Bradyrhizobium japonicum* per gram

Packaging

Plastic jugs and bladders

Storage/handling

Store in a cool place, between 39°F (4°C) and 77°F (25°C).
 Do not freeze. Store out of direct sunlight.